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## FACILITATE CONSTRUCTION OF UNDERGROUND COMMUNICATIONS TUNNELS

Large, modern, industrial enterprises in the USSR are equipped with elaborate underground networks of communications tunnels. In many cases, these networks are built, in one general tunnel "collector" which is very long and has a wide cross section. The construction of underground communications tunnels is very labor-consuming and involves much excavating and concrete work. V. B. Duba, engineer of "Zaporozhstroy" Trust, has proposed an original construction design for a movable mold (opalubka) to be used in the construction of square reinforced-concrete tunnels with an inside width of 1,800 to 2,500 millimeters and and inside height of 1,800 to 2,200 millimeters. These are the most common tunnel dimensions, but a similar type of mold can be used for larger dimensions.

It was found that the new method of tunnel construction saves labor and also a considerable amount of timber. Because of the durability and adaptability of this type of mold to different tunnel dimensions, it may be considered a universal mold and can be used without extra repair costs over a long period of time.

Work diagrams for the RI-409-50 universal movable mold have been prepared by the All-Union Office of Standard Planning and Technical Research (KTIS). Organizations interested in using this type of construction mold may obtain diagrams from the Central Library of Construction Plans, Moscow, Vetoshnyy perculok, Building of GUM (Main Department Store), Room 94.

As the publication from which the above extract was taken is published by the Ministry of Construction of Heavy Industry Enterprises USSR, it is assumed that the planning organization referred to is subordinated to this ministry.

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